CLAIMS

1. An information recorder comprising:

means for extracting a predetermined standard-defined UMID buried in material signals to be recorded to a replaceable recording medium; and

means for writing/reading information to/from a contactless information storage means appended to or incorporated in the replaceable recording medium and which is operative responsively to an electromagnetic field to send or receive information in a contactless manner to or from outside via the electromagnetic field;

the writing/reading means writing the UMID extracted by the extracting means to the contactless information storage means.

2. The apparatus according to claim 1, further comprising:

means for holding the extracted predetermined standard-defined UMID; and

an arranging means for putting the held UMID into a predetermined data format;

the UMID put in the predetermined data format being written to the contactless information storage means by the writing/reading means.

3. The apparatus according to claim 2, wherein the arranging means puts the UMID into the predetermined data format with omission of a fixed part of the UMID.

4. The apparatus according to claim 2, wherein the arranging means puts the UMID into the predetermined data format with the UMID being classified according to a predetermined bit flag.

5. The apparatus according to claim 2, wherein the arranging means puts the UMID into the predetermined data format with omission of a common part of the UMID.

6. The apparatus according to claim 2, further comprising means for restoring the UMID put in the predetermined data format to the predetermined standard-defined UMID.

7. An information recording method comprising steps of:

extracting a predetermined standard-defined UMID buried in material signals to be recorded to a replaceable recording medium; and

writing/reading information to/from a contactless information storage means appended to or incorporated in the replaceable recording medium and which is operative responsively to an electromagnetic field to send or receive information in a contactless manner to or from outside via the electromagnetic field;

the extracted UMID being written to the contactless information storage means.

8. The method according to claim 7, further comprising steps of:

holding the extracted predetermined standard-defined UMID; and

putting the held UMID into a predetermined data format;

the UMID put in the predetermined data format being written to the contactless information storage means.

9. The method according to claim 8, wherein the arranging means puts the UMID into the predetermined data format with omission of a fixed part of the UMID.

10. The method according to claim 8, wherein the arranging means puts the UMID into the predetermined data format with the UMID being classified according to a predetermined bit flag.

11. The method according to claim 8, wherein the arranging means puts the UMID into the predetermined data format with omission of a common part of the UMID.

12. The method according to claim 8, further comprising means for restoring the UMID put in the predetermined data format to the predetermined standard-defined UMID.

13. An information recorder comprising:

means for generating, from information other than material signals to be recorded to a replaceable recording medium, a UMID indicating the material signals; and

means for writing/reading information to/from a contactless information storage means appended to or incorporated in the replaceable recording medium and which is operative responsively to an electromagnetic field to send or receive information in a contactless manner to or from outside via the electromagnetic field;

the writing/reading means writing the generated UMID to the contactless information storage means.

14. The apparatus according to claim 13, further comprising:

an arranging means for putting the generated UMID into a predetermined data

format;

the UMID put in the predetermined data format being written to the contactless information storage means by the writing/reading means.

15. An information recording method comprising steps of:

generating, from information other than material signals to be recorded to a replaceable recording medium, a UMID indicating the material signals; and

writing/reading information to/from a contactless information storage means appended to or incorporated in the replaceable recording medium and which is operative responsively to an electromagnetic field to send or receive information in a contactless manner to or from outside via the electromagnetic field;

the generated UMID being written to the contactless information storage means.

16. The method according to claim 15, further comprising a step of:

putting the generated UMID into a predetermined data format;

the UMID put in the predetermined data format being written to the contactless information storage means.

17. An information recording system comprising:

means for writing/reading information to/from a contactless information storage means appended to or incorporated in the replaceable recording medium and which is operative responsively to an electromagnetic field to send or receive information in a contactless manner to or from outside via the electromagnetic field;

an information recorder for writing, to the contactless information storage

means by the writing/reading means, a UMID extracted from material signals to be recorded and indicating the material signals recorded to the recording medium or a UMID generated from information other than the material signals to be recorded to the recording medium and indicating the material signals; and

a UMID storage unit for storing a UMID read from the contactless information storage means appended to or incorporated in each of a plurality of recording mediums.

18. An information recording method comprising steps of:

writing a UMID extracted from material signals to be recorded and indicating the material signals or a UMID generated from information other than the material signals to be recorded to the recording medium and indicating the material signals to a contactless information storage means appended to or incorporated in the replaceable recording medium and which is operative responsively to an electromagnetic field to send or receive information in a contactless manner to or from outside via the electromagnetic field; and

storing the UMID read from the contactless information storage means appended to or incorporated in each of a plurality of recording mediums.